

1		1.	A flaw inspection method by magnetic particle testing, comprising		
2		obtair	ning an image of a surface of a sample to be inspected by using a		
3	color video camera where magnetic particle is coated;				
4		extrac	ting a flaw candidate of said inspected surface by processing the		
5	obtained imag	ge;			
6		displa	ying an image of the extracted flaw candidate on a display screen;		
7	and				
8		storin	g the displayed image to a memory.		
1		2.	The flaw inspection method according to claim 1, wherein the		
2	image stored i	in the n	nemory is an image of a flaw extracted from the flaw candidate.		
1		3.	The flaw inspection method according to claim 1, wherein the flaw		
2	candidate is d	etected	by using information on luminance of a green (G) signal component		
3	among three I	RGB pr	imary color signals from the color video camera.		
1		4.	The flaw inspection method according to claim 1, wherein the		
2	image obtaine	ed inclu	des a positional information and the positional information is		
3	displayed on t	the disp	play screen with the image.		
1		5.	A flaw inspection method by liquid penetrant testing, comprising:		
2		illumi	nating a surface of a sample to be inspected with polarized light;		
3		obtair	ning an image of the surface illuminated with the polarized light;		
4		extrac	ting a flaw candidate from the detected image of the surface by		
5	processing the obtained image; and				
6		displa	lying an image of the extracted flaw candidate.		

1		6.	The flaw inspection method according to claim 5, wherein a	
2	chromaticity of	of the ob	otained image is converted using a parameter.	
1		7.	The flaw inspection method according to claim 6, wherein the	
2	image is detec	ted by	using a color video camera and the parameter for converting the	
3	chromaticity of	of the in	nage is unique to the color video camera.	
1		8.	The flaw inspection method according to claim 5, wherein the	
2	image displayed is associated with a positional information.			
1		9.	The flaw inspection method according to claim 8, wherein the	
2	positional information is obtained with the image.			
1		10.	The flaw inspection method according to claim 5, further	
2	comprising:			
3		detecti	ing a flaw from the extracted flaw candidate; and	
4		storing	g an image of the detected flaw into memory.	
1		11.	A flaw inspection method, comprising:	
2		illumii	nating a surface of a sample to be inspected with light;	
3		obtain	ing an image of the surface;	
4		extract	ting a flaw candidate of the inspected surface by processing the	
5	obtained image;			
6		display	ying an image of the extracted flaw candidate;	
7		detecti	ing a flaw from the extracted flaw candidate; and	
8		storing	g an image of the detected flaw into memory.	
1		12.	The flaw inspection method according to the claim 11, further	
2	comprising:			
3		re-disp	playing the stored flaw image.	
1		13.	The flaw inspection method according to the claim 11, wherein the	
2	light illuminating the sample surface is polarized light.			
1		14.	The flaw inspection method according to the claim 11, wherein the	

light illuminating the sample surface is ultra violet light.

1		15.	The flaw inspection method according to the claim 11, wherein the	
2	image is detec	ted by	using a color video camera.	
1		16.	The flaw inspection method according to the claim 11, wherein the	
2	image is displayed on a screen together with a positional information.			
1		17.	The flaw inspection method according to the claim 11, wherein a	
2	chromaticity of the image displayed is converted from the image using a parameter			
3	unique to the color video camera.			
1		18.	The flaw inspection method according to the claim 11, wherein the	
2	image of the flaw candidate is displayed on a screen distinguishable from others.			
1		19.	A flaw inspection method, comprising:	
2		obtair	ning an image of a surface of an object to be inspected;	
3	detecting a flaw from the obtained image;			
4	displaying the detected flaw image on a screen; and			
5	storing the displayed flaw image in memory; wherein the flaw image is			
6	displayed on the screen distinguishable from other part of the object.			
1		20.	The flaw inspection method according to the claim 19, further	
2	comprising:			
3		illum	inating the object with a polarized light.	
1		21.	The flaw inspection method according to the claim 19, further	
2	comprising:			
3		illum	inating the object with an ultra violet light.	
1		22.	The flaw inspection method according to the claim 19, wherein the	
2	image is detec	cted usi	ing a color video camera.	
1		23.	The flaw inspection method according to the claim 19, wherein the	
2	detected flaw image is displayed on a screen together with a positional information.			
1		24.	A flaw inspection apparatus based on flaw testing, comprising:	
2		illum	ination means for illuminating a surface of a sample to be inspected;	

chromaticity values.

4

3	a color video camera which obtains an image of the surface;				
4	flaw candidate extraction means for extracting a flaw candidate of the				
5	surface from the image obtained by said color video camera;				
6	display means for displaying an image of the flaw candidate extracted by				
7	said flaw candidate extraction means;				
8	flaw detection means which detects a flaw from the displayed flaw				
9	candidate; and				
10	memory means for storing the image of flaw detected by the flaw detection				
11	means.				
1	25. The flaw inspection apparatus according to claim 24, wherein the				
2	display means displays the image of the flaw candidate accompanied with a positional				
3	information.				
1	26. A flaw inspection apparatus based on flaw testing, comprising:				
2	a light source which illuminates a surface of a sample to be inspected;				
3	a color video camera which obtains an image of the surface;				
4	a chromaticity converter which converts a chromaticity of the image				
5	obtained by the color video camera by using a conversion coefficient which is unique to				
6	the color video camera;				
7	a flaw candidate extractor which extracts a flaw candidate of the surface				
8	from the image obtained by said color video camera which chromaticity is converted by				
9	the chromaticity converter;				
10	a display which displays on a screen an image of the extracted flaw				
11	candidate which chromaticity is converted;				
12	a flaw detector which detects a flaw from the displayed flaw candidate;				
13	and				
14	a memory which stores the image of flaw detected by the flaw detector.				
1	27. The flaw inspection apparatus according to claim 26, wherein said				
2	chromaticity converter obtains conversion coefficients for converting RGB(Red, Green				
3	and Blue) chromaticity values unique to said color video camera into reference xy				



1	28. A computer memory storing code for a flaw inspection method
2	using an object to be inspected, wherein said computer memory comprises:
3	code for obtaining an image of a surface of the object;
4	code for converting a chromaticity of the obtained image to extract a flaw
5	candidate;
6	code for detecting a flaw from the extracted flaw candidate; and
7	code for displaying the detected flaw image on a screen.
	20 A support of the same and a for a flavy ingression method
1	29. A computer memory storing code for a flaw inspection method
2	using an object to be inspected, wherein said computer memory comprises:
3	code for obtaining an image of a surface of the object;
4	code for converting a chromaticity of the obtained image;
5	code for displaying on a screen an image of the object which chromaticity
6	is converted from the obtained image;
7	code for indicating a flaw candidate on the screen; and
8	code for displaying a flaw image on a screen detected from the candidate.